

MEMO TO PAUL HILBURN

On Thursday, October 28, 1993, I got a call from Paul Hilburn about water in a telephone manhole at Madison and Jefferson. Paul had gotten a complaint that there was sewage in the water at the bottom of the manhole. I borrowed a couple of sterile bottles from the Health Department Lab and met Paul at the manhole. I took a sample of the water in question, iced it, and took it to the SWTP lab. J. D. Slaughter ran a fecal coliform test on the sample. The result of this analysis was  $<10$ . I also took a sample of the water to the NWTP lab. Robert Bedell ran a chlorine test on the sample. The result of this analysis was .03 mg/l. The water in the bottom of the telephone manhole apparently doesn't contain any sewage.



Karen Chandler  
WPCI II  
S, E & B

JEFFERSON & MADISON (700-800 BLOCK  
SOUTH)

SOUTHWEST WASTEWATER PLANT LABORATORY, SPRINGFIELD, MISSOURI

ANALYSIS DATA REPORT

SAMPLE NUMBER: 7798  
SAMPLE NAME: M.H. AT JEFFERSON AND MADISON

DATE OF SAMPLE: 10/28/93  
DATE SUBMITTED: 10/28/93  
TIME SUBMITTED: 13:55:00  
SAMPLE TYPE: GRAB  
SUBMITTED BY: CHANDLER  
SET UP BY:  
REMOVED BY:  
TIME SAMPLER IN: 13:30:00  
COMMENTS:

TIME SAMPLER OUT:  
METER START:  
METER END:  
TEMP. DEG/C:  
DIS. OXY. MG/L:  
FLOW: MGD:  
VOLUME:  
DEPTH:



CONVENTIONAL PARAMETERS		TOTAL METALS UG/L	DISSOLVED METALS UG/L	TOTAL RECOVERABLE METALS UG/L
BOD-5	MG/L:	CU:		
PH	STD. UNITS:	CR:		
NFR	MG/L:	ZN:		
COD	MG/L:	CD:		
TOC	MG/L:	PB:		
NH3-N	MG/L:	NI:		
NO3-N	MG/L:	AG:		
NO2-N	MG/L:	FE:		
NO3+NO2-N	MG/L:	HG:		
CHLORIDE	MG/L:	MN:		
SULFATE	MG/L:	BA:		
TKN	MG/L:	SE:		
TOX	UG/L	AS:		
O-PO4-P DIS	MG/L:	AL:		
TP	MG/L:	SB:		
CN TOTAL	UG/L:	B :		
CN AMMENA	UG/L:	CO:		
TDS	MG/L:	TI:		
PHENOLICS	UG/L:	CR+6:		
OIL&GREASE	MG/L:	BE:		
MBAS	MG/L:	TL:		
TURBIDITY	NTU:	K :		
CONDUCT	UMOS/CM:	NA:		
TOTAL COLI/100ML:		MO:		
FECAL COLI/100ML:	<10	CA:		
FECA STREP/100ML:		MG:		
TOTAL CL2	MG/L:			
FREE CL2	MG/L:			
SULFIDE	MG/L:			
FLUORIDE	MG/L:			

CALCULATED HARDNESS MG EQ. CaCO3/L:

CITY OF SPRINGFIELD  
SAMPLING LOG SHEET

SAMPLE NAME MH AT JEFFERSON MADISON TIME SAMPLER IN 1:30:PM  
 SAMPLE DATE 10-28-93 TIME SAMPLER OUT       :      :        
 SAMPLE NUMBER 7798 METER END         
 SAMPLE TYPE GRMS METER START         
 SET UP BY CHANDLER REMOVED BY         
 COMMENTS 558 HAS SODIUM THIOSULFATE

CONVENTIONAL PARAMETERS		METALS ANALYSES   <u>      </u> HNO <sub>3</sub> <u>      </u> FLT   TOTAL DISLV RECOV				OTHER PARAMETERS	
BOD <sub>5</sub>	_____	CU	_____	_____	_____	VOLATILE ORGANICS (624)	_____
pH S.U.	_____	CR	_____	_____	_____	BASE NEUTRALS (625)	_____
NFR	_____	ZN	_____	_____	_____	ACID EXTRACTIBLES (625)	_____
COD	<u>      </u> H <sub>2</sub> SO <sub>4</sub>	CD	_____	_____	_____	PESTICIDES (608)	_____
TOC	<u>      </u> H <sub>2</sub> SO <sub>4</sub>	PB	_____	_____	_____	T.C.D.D.	_____
TOX	<u>      </u> H <sub>2</sub> SO <sub>4</sub>	NI	_____	_____	_____	P.P. (624, 625, 608, METALS, CN)	_____
NH <sub>3</sub> -N	<u>      </u> H <sub>2</sub> SO <sub>4</sub>	AG	_____	_____	_____	IGNITIBILITY	_____
NO <sub>3</sub> -N	_____	FE	_____	_____	_____	CORROSIVITY	_____
NO <sub>2</sub> -N	_____	HG	_____	_____	_____	REACTIVITY	_____
NO <sub>3</sub> +NO <sub>2</sub> -N	<u>      </u> H <sub>2</sub> SO <sub>4</sub>	MN	_____	_____	_____	T.C.L.P.	_____
CHLORIDE	_____	BA	_____	_____	_____	T.T.O. (624, 625, 608)	_____
SULFATE	_____	SE	_____	_____	_____	SULFIDE <u>      </u> ZNA, NAOH	_____
TKN	<u>      </u> H <sub>2</sub> SO <sub>4</sub>	AS	_____	_____	_____	FLUORIDE	_____
O-PO <sub>4</sub> -P D	<u>      </u> FLT	AL	_____	_____	_____	COLOR	_____
TP	<u>      </u> H <sub>2</sub> SO <sub>4</sub>	SB	_____	_____	_____	ODOR	_____
CN TOTAL	<u>      </u> NAOH	B	_____	_____	_____	TEMP	_____
CN AMENA	<u>      </u> NAOH	CO	_____	_____	_____	VOLUME	_____
TDS	<u>      </u> FLT	TI	_____	_____	_____	DEPTH	_____
PHENOLICS	<u>      </u> H <sub>2</sub> SO <sub>4</sub>	CR+6	_____	_____	_____	HARDNESS (CALC) CA, MG	_____
O & G	<u>      </u> H <sub>2</sub> SO <sub>4</sub>	BE	_____	_____	_____	WEATHER	_____
MBAS	_____	TL	_____	_____	_____	_____	_____
TURBIDITY	_____	K	_____	_____	_____	_____	_____
CONDCT	_____	NA	_____	_____	_____	_____	_____
CORR	_____	MO	_____	_____	_____	_____	_____
TOT COLI	_____	CA	_____	_____	_____	_____	_____
FEC COLI	<u>      </u> ✓	MG	_____	_____	_____	PH METER NO.	_____
FEC STREP	_____		_____	_____	_____	CONDUCTIVITY METER NO.	_____

CHAIN OF CUSTODY RECORD

RELINQUISHED BY	RECEIVED BY	DATE	TIME
<u>R. Chandler</u>	<u>JOS</u>	<u>10/28/93</u>	<u>1:55 PM</u>
SEALED <input type="checkbox"/> SHIPPED <input type="checkbox"/>	SEALED <input type="checkbox"/>		
SEALED <input type="checkbox"/> SHIPPED <input type="checkbox"/>	SEALED <input type="checkbox"/>		